

# PATENT ABSTRACTS OF JAPAN

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## (54) AUTOMATIC SOUND SYSTEM SETTING DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an automatic sound system setting device which can automatically set an optimum mode in response to the connection or non-connection of a speaker and also to the reproducing capability of low-pitched sounds.

**SOLUTION:** A test signal is produced by a test signal generator, and the current flowing to a speaker 9 is detected by a current detector 14a that is placed between a power amplifier 7 and a speaker connecting terminal 8. A deciding device 14b generates a deciding signal to decide the presence or absence and the reproducing capability of low-pitched sounds of the speaker 9 based on the detection output of the detector 14a. A control part 10 detects the connection or non-connection and the reproducing capability of low-pitched sounds of the speaker 9 by the deciding signal. Thus, an optimum mode is automatically set.

